

From owner-qrp-1@netcom.com Tue Mar 14 03:38:36 1995
Message-Id: <m0roL1v-0000GUC@juts.ccc.amdahl.com>
Date: Monday, 13 March 1995 16:55 PT
From: bruce.florip@amail.amdahl.com
Subject: aa7ar/sierra/M/qrp

Hi all,

Thought you fellow qrpers might be interested to know that I put the finishing touches on the Sierra on the weekend. It's all dressed up with black case halves (top & bottom), and ivory (ten-tec white) front and rear panels. I used rub-on letters and it looks great if I do say so...

Now for the /M6/qrp part:

I got up a little early this morning, it's easier to do when it's qrp or fishing, as opposed to work :) , put the Sierra in the car.

The antenna is a hustler whip mounted on a large three magnet mag-mount on the trunk of a 88 Grand Am. The car is mentioned only as a ground plane :)

The "high power" name for the larger hustler screw-on resonators should have been advertised as wider bandwidth instead... They seem to work great for me both on the MFJ 20M Travel SSB/CW radio at 12w and with the qrp stuff.

So, anyway, my commute is about 5 miles including a 1 mile detour to the coffee shop, so there wasn't much operating time this morning... I did start a qso with AC6CZ... We traded calls after my CQ, I gave him my name and QTH and heard him faintly in the background until he was gone... The callsign server at "telnet callsign.cs.buffalo.edu 2000" didn't list him...

2nd try...

I called CQ, N7EQN called back, I gave him a 55 and told him my name and city... turned it back over with a BK... I guess I'm getting sloppy... forgot to give his call or name, so when he came back after a second or two, he asked are you in QSO with me? on a day like today that wasn't a good way to spend the QSO time... and after he gave me a 55N and was telling me his qth... I hate that... the band just went away and he slid down into and was covered by the background noise...

So, the Sierra with my newly created mobile speaker works great! The log wasn't "rich" with DX this morning, but CQs from a mobile with 1.5 watts got results in a few minutes of commute time today. I must confess, I did a bit in the driveway before I left, then a bit more at lunch. It's really habit forming this QRP stuff!

73, bruce baf00@amail.amdahl.com

(my thoughts and opinions, not my employer...)

From owner-qrp-l@netcom.com Tue Mar 14 03:45:51 1995
Date: Mon, 13 Mar 1995 17:26:54 +0600
From: ges@praxis.pcco.com (ges@240pob)
Message-Id: <9503132326.AA00341@praxis.pcco.com>
Subject: Beckman 3010 meter/measure Z in

Just FYI, measuring the input impedance of the Beckman 3010 gives about 2.5M ohm. This is by using the audio signal generator method passed on to the list by Stuart, K5KVH. A couple of newer digital meters (Fluke & a Beckman) measured about 11 Mohm.

The method appears to be fairly accurate as well as easy to do.

Thanks Stuart.

Glen E. Stockton K5UP ges@ppco.com Bartlesville, OK

From owner-qrp-l@netcom.com Tue Mar 14 03:41:35 1995
Message-Id: <2f64e4d5.wa8tzg@wa8tzg.mi.org>
Date: Mon, 13 Mar 1995 19:35:32 EST
From: wwm@wa8tzg.mi.org (Bill Meahan)
Subject: C-R Antennas (was Re: Great Reading!)

>From: mcnnnet!cc.com!miker (Mike Robinson)
>Just started into my QRPp. The article on the C-R antenna is
>outstanding. I'd like to see an example configuration for
>80-40-30 meters. I'm not a wizard at this stuff but I'll start
>in on the calculations tonight.

Speaking of the C-R antenna, does anyone know if the same principle can be applied to parasitic elements? Seems like that would be a cool way of making a multi-band beam without all the losses inherent in traps.

72!

--
Bill Meahan WA8TZG wmeahan@wa8tzg.mi.org
Member of: ARRL, IMRA, NorCal QRP, G-QRP (#8468), IEEE Computer Society
Hey, this is my OWN computer! I can say what I want!
cat: a purr bearing mammal

From owner-qrp-l@netcom.com Mon Mar 13 15:34:02 1995
From: lhalliday@creo.bc.ca

Date: Mon, 13 Mar 95 09:12:35 PST
Message-Id: <9502137951.AA795114755@mail.creo.bc.ca>
Subject: Class D amplifiers - more

There was some talk of these on the list a while back, and in the March issue of Radio Communication (RSGB) is part 1 of an article by Chas Fletcher G3DXZ, "80-30m Switchmode PA CW Transmitter". He goes into the practical application of Class D amplifiers in useful detail; his transmitter uses a premix VFO (2N3819 + NE602), and 74HC logic for wave shaping and driving the PA MOSFETS (unidentified as yet, but there's always Part 2 next month :-).

Filtering what comes out of a Class D amplifier is an important topic, and Mr. Fletcher discusses it in detail - the first harmonic that needs to be attenuated is the 3rd, which simplifies design somewhat. Filters tend to present reactive loads at harmonic frequencies, so you have to make sure the garbage that bounces back won't fry your output transistors. A nice touch is that if you transmit with such an amplifier into an open circuit, it simply won't do anything - the transistors never turn on. Transmitting into a short circuit will still cook the transistors in milliseconds. :-)

According to Dye & Granberg (and implicit in this article), the maximum useful frequency for a power MOSFET in a Class D amplifier is set by how fast you can charge and discharge the gate capacitance. I look forward to playing around with some IRF510s when I get back from Charlotte...

73 from Burnaby,
laura VE7LDH

From owner-qrp-l@netcom.com Mon Mar 13 10:15:13 1995
From: ab4el@cybernetics.net (Stephen Modena)
Message-Id: <9503131058.AA05832@cybernetics.net>
Subject: Re: Feedline(s)...40 & 2 M ants
Date: Mon, 13 Mar 1995 05:58:36 -0500 (EST)

Tim (N1PAZ)--

>

> My only HF rig is a NE 40-40. This is a basic (and possibly quite stupid)
> question about feedlines.

Turns out that your question is *far* from stupid. :^)

>

> I live in a basement apartment, but have access to a huge roof deck on the
> fourth floor of the building. My 40m dipole hangs from a chimney down

> over this deck. My feedline is RG-58, high quality Belden, and runs
> down the back of the building. I can't remember, but I think it took a
> 50 foot spool to cover the distance.

As mentioned by another, the line losses are **relatively** higher
for the 2 M band than for the 40 M band. My guess is: a little
power to a 2 M GP on the chimney will give you better results than
25 W to a 2 M GP in the "basement." :^) Easy to test...on 2 M.

> Question: I want to add a 2m ground plane to this chimney. Do I have
> to run a whole new--expensive!-- feedline for it? What happens if I put
> my 40m dipole and my 2m ground plane on the same feedline?
>
> My guess is that a 40m QRP signal won't notice the ground plane
> antenna that's in parallel.

If I were doing this, I'd mount the 2 M GP on a non-conductive pole,
connect a double-male to the GP, add a T-connector, connect my
40 M dipole and coax feedline to the T-connector. In other words:
"fuse" the 2 M and 40 M antennas. :^)

Actually, if I were doing this, I would not bother with the 2 M
GP until I tried out the 40 M dipole **alone** as my 2 M antenna.

Yes, really. Think of what happens when one uses a 40 M ant on 15 M.
That is: when using the antenna on odd-multiples of the base frequency.
The WARC bands appear to have been chosen **specifically** to allow
an **80** antenna to operate the 30, 17 and 12 M bands. It's a
good exercise to manipulate the lesser-known formula:

$$\text{Length-in-feet} = (0.95 + N) * 492 / \text{Freq-in-MHz}$$

Well, as the Frequency goes up to really high values of N,
such as $144/7 = 20.57+$, it becomes immaterial whether the antenna
is an even or odd multiple....presumably because all of the
energy radiates off of the antenna before it can reach the
tips of the dipole and is reflected back due to the
"discontinuity."

It's not uncommon to use an HF antenna for the 2 M homebase antenna.
Try it. :^)

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From owner-qrp-1@netcom.com Tue Mar 14 01:58:26 1995

From: Kirkekirk@aol.com
Date: Mon, 13 Mar 1995 21:28:19 -0500
Message-Id: <950313212234_48598159@aol.com>
Subject: FS HW-8

HW-8 w\pwr supply, MODS: built in speaker, venier vfo, MFJ cw filter, and meter light. Looks and runs good. Make offer.

Kirk
AA4YZ/8
Canton, Oh

From owner-qrp-l@netcom.com Mon Mar 13 18:32:27 1995
Date: Mon, 13 Mar 1995 18:19:00 +0000
From: william.redfearn.cmwdr01@nt.com
Message-Id: <"10651 Mon Mar 13 12:21:50 1995"@nt.com>
Subject: FS: MFJ-9030

**** Posting for a friend. Please reply to Rhett Isley at
(919) 639-1030 after 5 pm. or E-mail: RISLEY@NANDO.NET ****

I have the following item for sale and can be reached at (919)639-1030
after 5pm or send e-mail to risley@nando.net. Thanks!!

1) MFJ-9030 QRP transceiver w/manual... 30 meter CW only, 5 watt
transceiver w/500 hz CW filter. Good Condition with a couple of
light case scratches. (On there when I bought the rig 1 year ago).
\$125.00 shipped.

Rhett, KB4HG

**** Posting for a friend. Please reply to Rhett Isley at
(919) 639-1030 after 5 pm. or E-mail: RISLEY@NANDO.NET ****

Thanks - Dave.

=====

Dave Redfearn, SR PC LAN Analyst Northern Telecom RTP, NC.
ph.(919) 992-3925 email: cmwdr01@nt.com qrl? de N4ELM/qrp

All opinions are my own and do not necessarily reflect the views of
my employer, co-workers or any other person, real or imaginary.

From owner-qrp-l@netcom.com Mon Mar 13 17:28:42 1995
Date: Mon, 13 Mar 95 09:23:55 MST
From: miker@cc.com (Mike Robinson)
Message-Id: <9503131623.AA28448@cc.com >

Subject: Great Reading!

Just started into my QRPp. The article on the C-R antenna is outstanding. I'd like to see an example configuration for 80-40-30 meters. I'm not a wizard at this stuff but I'll start in on the calculations tonight.

Of course as soon as I started into the article I thought of the Gap and Butternut antennas as vertical examples of C-R antennas.

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=====
7.3 de Michael aa0ub | QRP: Am I getting out?
miker@cc.com         | My neighbors have stopped complaining.
=====
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From owner-qrp-l@netcom.com Mon Mar 13 18:32:08 1995
Message-Id: <MAILQUEUE-101.950313125016.288@rcadmin.nov.add.bnl.gov>
From: "Nick Franco - KF2PH" <NICKF@rcadmin.nov.add.bnl.gov>
Date: Mon, 13 Mar 1995 12:50:16 EDT
Subject: ICOM 728 - now QRP

Greetings,

After reading Smitty's post about modifying the TS50 for QRP use by adjusting a couple of pots, I decided to bread out the manual for my ICOM 728 and check into this further.

I was going to ask a local guru to check the schematic to see if there was a mod I could make to get my ICOM down to 5 watts or less from the 10 Watt minimum so I could take advantage of the great receiver and filtering as compared to my HW-8. I could also save a little desktop space by not having two rigs on my XYL laundry counter/my ham shack.

I read Smitty's article and looked at my manual to find a high and low rf output adjust pot. Using an external watt meter, I brought the low end down to just under 5 watts and re-adjusted the high end to 100 W. I had to go back and forth a couple of times. It seems these pots do effect each other's settings a little. I'm happy.

I can now put my HW-8 and all its peripherals back into my camping box and work both modes with only one radio, etc. Hope I haven't committed a great sin here by using a QRO rig for QRP. I wouldn't want to be looked down upon by the group.

PS. I didn't want to go lower than 5 watts because I figured there must be a reason they had a 10 watt minimum in the first place. It

may be necessary to drive an auto tuner or something I don't have anyway.

72,

Nick

Nick Franco - RHIC Computer/Network Support
tel:(516)282-5467 fax:(516)282-3674
kf2ph@bnl.gov or nickf@bnl.gov

From owner-qrp-1@netcom.com Tue Mar 14 03:15:37 1995
From: KD8FR@aol.com
Date: Tue, 14 Mar 1995 00:07:46 -0500
Message-Id: <950314000649_48787026@aol.com>
Subject: Mi-QRP Club Annual Meeting

The Michigan QRP Club's Annual Meeting will be held on Saturday, March 18, 1995 at the Crossroads Swap & Shop at Marshall, MI in Room 241 of the high school at 1100 hours.

Those of you who live close enough to attend, we would like to see you there.

The March issue of The Five Watter is running late - but it will be out sometime this month!

We are still looking for an editor for the publication, as Robin, my son Chris and I are only doing it on an interim basis. So, if anyone out there has a desire to become the editor of a good, 20 page quarterly mag, here is your chance.

See you at the meeting.

72/73, Lowell, KD8FR, President: M-QRP-C

From owner-qrp-1@netcom.com Mon Mar 13 14:17:19 1995
Date: Mon, 13 Mar 95 13:12:18 EST
From: hysell@kodak.com (John D. Hysell)
Message-Id: <9503131812.AA22372@runner.itc.Kodak.COM>
Subject: NeoPhyte kit

Greetings;

A few of us here in Western NY got together and made up kits for the 75m SSB QRP rig known as the NeoPhyte. One of the group has gotten cold feet, and feels that it is too complex for him to proceed building (he actually had a nice start on it; I am not sure why he decided to drop it.)

Anyway, I agreed to mention the fact that we will sell it as-is for \$75

here, as he has no internet access. The kit includes all parts, mic, speaker/earphone, switches, SSB filter, etc... The PCB is homemade (I did it, and it is REALLY ugly -Hmmm. -maybe THAT'S why he wants out...) but all traces are complete (I did miss drilling a few holes).

Send any offers via me, and I will push them along their way. (Still haven't finished mine either - too many other things to do).

thanks and 73
de KF2XC
-John
hysell@kodak.com

From owner-qrp-1@netcom.com Tue Mar 14 01:46:37 1995
Date: Mon, 13 Mar 1995 20:05:44 -0600 (CST)
From: Adrian Weiss W0RSP English Department <AWEISS@charlie.usd.edu>
Message-Id: <950313200544.4edce@charlie.usd.edu>
Subject: New Norcal QRPP issue

Well guys, if you aren't subscribing to the Journal of the N. Cal. QRPP Club _QRPP_, you are really missing a feast! KI6DS has put together another 71 pages of excellent stuff including a bunch of projects. Boy, this is incredible! How does he do it?

At any rate, subscribe!

73, Ade W0RSP

From owner-qrp-1@netcom.com Tue Mar 14 03:58:51 1995
Date: Mon, 13 Mar 95 20:22:46 PST
From: dh@deneb.csustan.edu (Doug Hendricks)
Message-Id: <9503140422.AA16229@deneb.csustan.edu>
Subject: New President for ARCI

To All ARCI Members:

I received a letter today from Les Shattuck, President of ARCI, who informed the board of directors of ARCI of which I am a member, that he was resigning his position effective immediately. Les had assumed the job of President last year and when he took it he informed the board that it was only on an interim basis.

The "torch" has passed to the vice-president, L.T. "Buck" Switzer, N8CQA. Buck is a long time member of ARCI, and a former president. I spoke with Buck on the phone tonight, and he is willing to serve as president until a new one can be elected. I am posting this notice to stop any rumors that may start. ARCI will have their activities at Dayton as planned, and there will need to be some serious business done at the annual board meeting.

Buck is a good man, and he deserves all of our cooperation and trust during this time. He did not ask for the job, but he is able and willing to do it. Please give him as much help and cooperation as possible. Thanks and 72,
Doug Hendricks, KI6DS
Board of Directors, ARCI

From owner-qrp-l@netcom.com Tue Mar 14 01:55:51 1995
From: tbowman@leba.net
Date: Mon, 13 Mar 1995 17:56:29 -0500
Message-Id: <199503132256.RAA29574@fig.leba.net>
Subject: NN1G Mark II RIT?

Dan of Dan's Small Parts fame does not have the RIT circuit for the NN1G Mark II. I must have misread a posting on the list. Anyone know where I can find the RIT circuit for the rig??

From owner-qrp-l@netcom.com Mon Mar 13 16:28:19 1995
Message-Id: <9503132012.AA06011@garnet.inel.gov>
Date: Mon, 13 Mar 1995 13:13:32 -0700
From: LVE1@inel.gov (Larry East)
Subject: Panel Lettering and Such

Thanks to those of you who gave me information on "Repro Film" self-adhesive film (made by Rayven, Inc.) This is really neat (cool, awesome, etc.) stuff! The Type 320 (matte finish) can be used both in laser printers and plain paper copiers. I had to special-order a full box (100 sheets -- about \$40), but luckily I can use it for many other things than just panel lettering (like pasting figures into documents, etc.)

Gee, this list is a great source of information! This is what ham radio was like back in the "good old days" when people got on the air and actually discussed technical stuff...

"Any opinions expressed herein are my own and probably do not agree with those of my employer, the U.S. Government or my spouse"

--... ..--

Larry V. East (W1HUE)

Idaho Falls, ID

e-mail: LVE1@inel.gov

Packet: W1HUE@WT7B.ID.USA.NOAM

work: (208) 533-4005 home: (208) 529-2162

From owner-qrp-l@netcom.com Tue Mar 14 03:41:27 1995
From: dfjenki@ibm.net (David F. Jenkins)

Subject: QRP+ Questions
Date: Mon, 13 Mar 1995 19:22:06 -0600
Message-Id: <--EPlaNLbvj2079yn@ibm.net>

- 1) What is address and/or phone number of Index Labs?
- 2) Is it true that QRP+ has no RIT?

Thanks...

David F. Jenkins
713/880-9500
KK5KX (ex-KC5JRR)

From owner-qrp-l@netcom.com Mon Mar 13 15:39:53 1995
Date: Mon, 13 Mar 1995 19:16:19 GMT
From: Goran Hosinsky <hosinsky@royac4.royac.iac.es>
Message-Id: <9503131916.AA11964@royac4.royac.iac.es>
Subject: qsl addr BV7FC?

Help! Worked BV7FC with one watt on saturday - and now I cannot find any QSL info.

Goran EA8YU hosinsky@royac.iac.es

From owner-qrp-l@netcom.com Mon Mar 13 20:28:52 1995
Date: Mon, 13 Mar 1995 16:23:59 -0800 (PST)
From: John Dundas <ab6dg@netcom.com>
Subject: Swapmeet 3/18, Pomona, CA
Message-Id: <Pine.3.89.9503131604.A23603-01000000@netcom20>

Just a reminder that the Pomona ham swapmeet is coming up this Saturday, Mar. 18, from 7 a.m. till ?. Location is De Vry Technical Institute, at intersection of the 10 and the 57 freeways, at western edge of Pomona (Southern California).

Hopefully a few qrp types will assemble for coffee and ?, at about 10.

72/3 de John AB6DG

From owner-qrp-l@netcom.com Tue Mar 14 01:48:24 1995
Date: Mon, 13 Mar 1995 19:10:00 -0500

Message-Id: <95031319100083@sescva.esc.edu>
From: pcalcand@sescva.esc.edu (PETER CALCANDY)
Subject: VHF Baluns

Just wondering if anyone has tried using those cheap cable tv baluns on HF?

Regards,
Peter N2KPY

From owner-qrp-1@netcom.com Mon Mar 13 19:03:59 1995
Date: Mon, 13 Mar 95 13:03:02 PST
Message-Id: <9503132103.AA29420@chronology.com>
From: dcscott@chronology.com (Dale C. Scott)
Subject: WM-1 Group Purchase

I have been away from my office for the past couple of weeks and returned today to find my email chock full of references to a group purchase/sale on the WM-1 from Oak Hills Research. In one reference the price was \$69.95 plus shipping, in another it was \$68.50 including shipping.

Can someone clarify for me the actual cost and the correct address to send order/payment?

Thanks

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--\      /
-----\  / Dale C. Scott           EMAIL: dcscott@chronology.com
-----\ / CHRONOLOGY CORPORATION    TEL: (206)869-4227 x110
-----/\ 17411 NE Union Hill Rd., #100 TEL: (800)800-6494 x110
-----/  \ Redmond, WA 98052         FAX: (206)869-4229
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